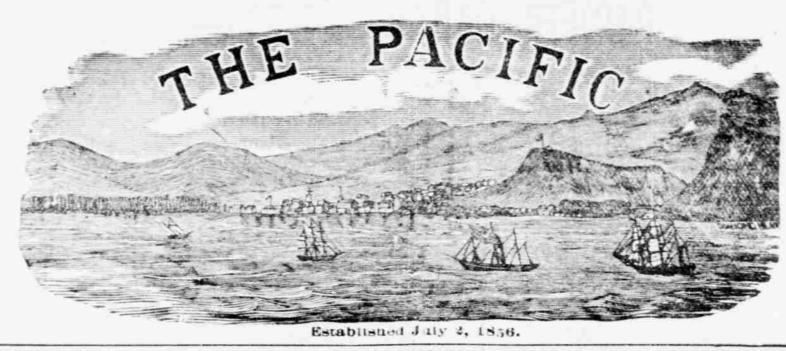
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VOL. XXX., NO. 5404

HONOLULU, HAWAHAN ISLANDS, THURSDAY, NOVEMBER 30, 1899. -SIXTEEN PAGES.

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OURISTS' GUIDE THROUGH HA-

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Battle Creek, Mich., Sanitarium; cian and surgeon.

For Army Work.

The first secretary sent out by the Y. M. C. A. in response to the request by the War Department for a representative to accompany each transport to Manila, is passing through on the having charge of naval cable matters, pographical Maps a Specialty; room Hancock. Mr. W. F. Gloeckner, the says on this subject: first representative chosen for the A practical route for a submarine work, has devoted considerable time telegraph cable was established be- The New York Governor Will Take a the boat send the vessel with all Gould, she wishes to do something in to army work at the Presidio, San tween San Francisco and Honolulu Francisco. He will speak at the reg- some years ago. In order to continue Suite 7, Model Block, Fort St.; local Y. M. C. A. if the vessel remains lu to the Philippines, the United in port till then.

Conclusions of Rear Admiral Bradford.

The Tug Iroquois Will Be Sent to Examine the Reefs About Midway Island.

miral Bradford has completed the of- and also from Guam to Japan. The ficial naval project for a trans-Pacific San Francisco and Manila in time to lowed in going to the westward, with be applied to the steering of these sub- and many obstacles likely to be eninformation at the opening of the next at the turning points. session that will permit intelligent for Honolulu on April 22. She sailed invention, this plan has been found to Now the great work.

All doubt has been removed regard- and by August 1 to Luzon. ing the practicability of the enterprise and Guam as relay stations on the

er Charles Belknap, United States Navy, was very thoroughly fitted out and equipped for deep-sea exploration at the navy yard, Mare Island, during the early part of the present year. The Nero is a large steam collier purchased for use during the late war, and on account of her great steaming radius HOW was admirably adapted to make the survey. After a careful consideration of the subject it was decided that the best route westward from Honolulu to the Philippine Islands was by way of the Midway Islands and Guam, landing the cable at a convenient point on ROUTE VIA THE ISLANDS the east coast of Luzon, as near as pos- MAKES sible to the latitude of Manila. It was also decided as desirable to survey a route from Guam to Yokohama. Elabprepared. The plan of the survey which is represented on the accompanying chart, consists in carrying direct lines of soundings, taken at alternate intervals of ten and two knots, from Honolulu to the Midway Islands, WASHINGTON, Nov. 15 .- Rear Ad- thence to Guam, and thence to Luzon. return course to be pursued is a zigzag line passing back and forth to equal

The Nero sailed from San Francisco consideration of the subject and from Honolulu to commence her work work so well that the torpedo may be prompt action for the inauguration of on May 6. On May 22 she had com- reckoned among the heaviest thunder- navies here, the Whitehead, is fired pleted a single line of soundings to the bolts of war, instead of being, as here- from a vessel's side it drops into the Midway Islands; by July 4 to Guam,

Along this route, which is 4.812 knots by the adoption of Honolulu, Midway in length, 853 soundings were taken. tion of the use of electric waves just like a fish for a distance of about half long line and by the discoveries made water were observed at each sounding from the naval survey ship Nero as to station, and these, together with the the character of the ocean bed between meteorological record of the frequent torpedo boat. To understand the plan ness in warfare, With the "Whitethose points. The sounding instru- observations of specific gravity, bot- of procedure, it must be remembered head" guided by electric waves, howments of this ship disclosed an abyss tom temperature, and currents of the that an iron rod is sucked into a coil ever, it is realized that the torpedo in the Western Pacific over five miles ocean, besides their value in laying a of wire, when an electric current trav- takes on a new and formidable aspect

Warfare.

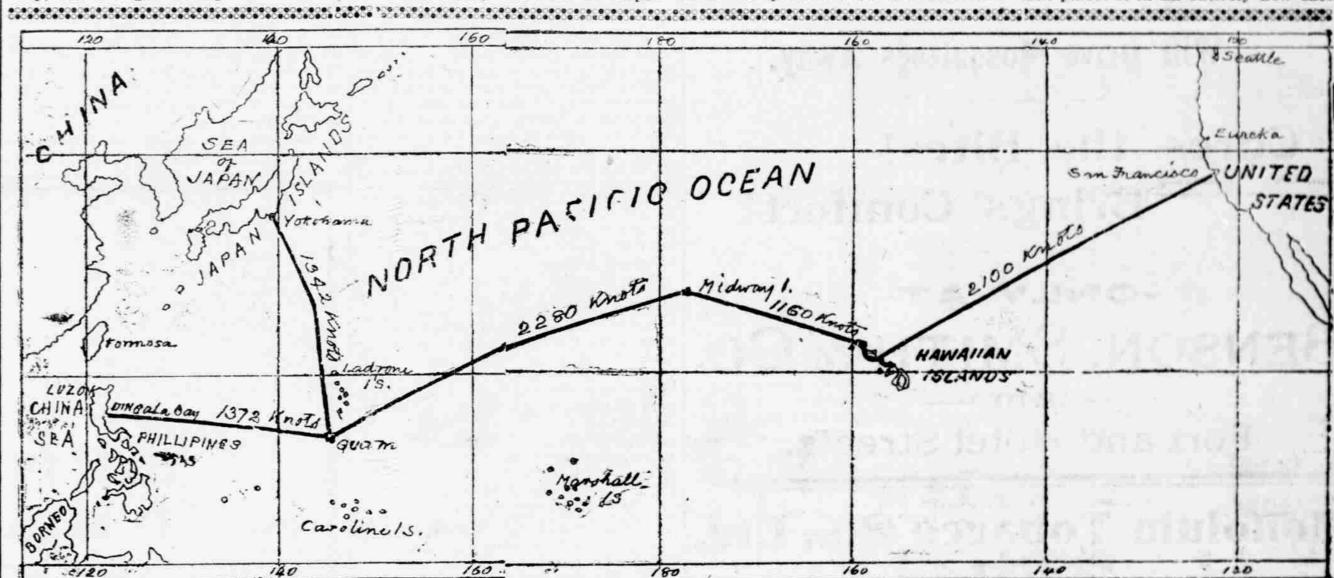
to Follow a Ship Like a Hungry Shark.

ing to those who have examined the tofore, the jest of naval experts.

The invention consists of an applica-The characteristics of the bottom soil as in wireless telegraphy, which ob- a mile, which distance it covers in and the temperature of the surface viates any necessity for metallic con- about a minute. It is a costly missile,

This seems to have solved the great puzzle that has made torpedoes as much of a menace to those who fired them as to those against whom they were directed. The history of torpedo warfare has always tended to place the supposedly terrible missile in a ridiculous light. Here and there are recorded instances of the torpedo taking effect and sinking a vessel, but for every torpedo that has fulfilled its mission, hundreds have exploded harmlessly and killed only the fishes that were unlucky enough to be in the vicinity of the explosion. This helplessness of SENTIENT the torpedo after it has once left the side of the vessel firing it has been the main cause of the lack of respect naval officers have felt for it. The searchorate instructions for the survey were The Submarine Terror Can be Made light has made it so risky to attack a vessel with a torpedo at night that only a very reckless commander would attempt it, while the various devices for guarding a ship's side against torpedoes have made these missiles almost certain to fail in their object. LONDON, Nov. 17 .- At last a means Then again it was so easy to dodge a has been discovered of guiding a tor- torpedo when its direction once bepedo on its mission of death. The came apparent, and the certainty of the aim was always a doubtful thing submarine telegraph cable between distances on each side of the route, fol- principle of wireless telegraphy is to where the range was necessarily long. supply Congress with all the essential soundings at intervals of twenty knots marine infernal machines, and, accord- countered by the torpedo during its submarine flight to deflect it from its

Now all this is changed. When the torpedo which is used by most of the water at a distance of fifteen feet, dives about twenty feet, and then shoots up and goes through the water deep, but a slight divergence from a submarine cable, will form an impor- erses the spiral in a suitable direction. that places it in an entirely new cate-



ROUTE FOR PACIFIC CABLE PROPOSED BY ADMIRAL BRADFORD

road around this was found.

A QUESTION FOR CONGRESS.

Cleveland, medical superintendent. king the operation of a cable across tions. Hours 9 a. m. to 5 p. m.; methods of the Pacific without a heavy subsidy. The disposition to have an American baths of every description; trained cable line to Manila has probably be-

nurses in bathrooms as well as in come too strong for Congress to removements; electricity in every guard, aside from the enormous busiform; classified dietary, etc.; ample ness that must come with the further facilities for thorough examination. growth of American trade in the East, Dr. C. L. Garvin, consulting physi- it is believed that the new line of comof another year.

public today, Rear Admiral Bradford, Chief of the Bureau of Equipment,

States steamer Nero, under Command-

FURTHER SURVEYS TO BE MADE.

nila end of the cable.

ROOSEVELT IN ATHLETICS.

Winter Course in Boxing.

(Continued on Page 2.)

straight line fortunately developed a tant contribution to the physics of the The torpedo is provided with two staffs gory among weapons of war. which project above the surface of the! Whether or not the same principle date Manicure Parlors, 'airdressing stacle to laying a working cable. At Two offsets from the projected great water, and can receive electric waves that directs the torpedo from the vesand shampooing; scalp treatment a another point, on the same stretch be- circle route between the Midway Isl- reaching them through the air, and sel that launches it could be used by tween Midway and Guam, a submerged ands and Guam were found to be nec- generated by a suitable apparatus on those on board the threatened ship, to mountain over 12,000 feet in height essary in order to avoid obstacles to the torpedo boat. To the rudder-head turn it back on those who fired it, is was discovered, and a reasonable level a successful laying and operation of a of the torpedo are attached two coils of another interesting problem that pretelegraph cable. The first of these ob- wire with two cores of iron near them. sents itself at the beginning of speculastacles encountered is a submarine When an electric current passes round tive thinking on this subject. It is cermountain situated a short distance the coils in one direction, one of the tain that some method of defense will The physical practicability of the westward of the Midway Islands, and cores is sucked in, while if the current be found by ingenious minds against line being now assured beyond doubt, rising from the floor of the ocean, circulates in the other direction the the newly found means of blowing up it only remains for Congress to weigh which here sinks to a depth of 2,200 other core enters its spiral. Suppose ships. As an American, I have little the military necessities and the com- fathoms, to within 82 fathoms of the the torpedo leaves its proper course; it hesitation in predicting that the inmercial advantages to accrue from the surface. The second obstacle is one of is at once righted in the following way: genious mind will belong to some citina, Oahu; at W. C. Achi's office, construction and operation of the sys- the deepest submarine abysses yet Electric waves are developed on the zen of the United States, and furthertem. It was represented to Congress found in the world, situated about 500 torpedo boat, pass through the air, more that the method of defense will at its last session that the revenue to miles eastward of Guam and sinking and are received by the staffs attached be as ingenious as the present clever be expected from a Pacific cable would to a depth of more than 4,900 fathoms. to the torpedo. These, by a simple applan of offense, thus relegating this WAII.—Price 60c; beautifully illus- not attract private capital unless it Reports have been received of the pre- paratus, are made to develop an elec- over-estimated submarine missile to trated. For sale by all newsdealers. had a connection with Australia, Japan liminary line of soundings from Ho- tric current in the coils of wire, and the position it has so long occupied, and China, as well as with San Fran- nolulu to Luzon, and they indicate that one or the other of the iron cores, as that of a butt for the ridicule of naval cisco, Honolulu and Manila. For that the route which is being surveyed will occasion requires, is sucked into its men. DR. A. C. POSEY.—Specialist for Eye, reason it was deemed indispensable prove entirely practicable. No reports coil, and this movement turns the helm Ear, Thoat and Nose Diseases and that the United States should own Ku- of the soundings taken on the return of the torpedo. When the torpedo has Catarrh; Masonic Temple; hours 8 to saie or Strong's Island, in the Caroline trip or of any soundings from Guam reached its proper course, the waves group, or a cable landing right there to Yokohama have been received. The from the controller are stopped. The to insure the working of a loop to expenses of this survey, so far as this invention will render it possible to HONOLULU SANITARIUM. - 1082 Australia. The absence of this may bureau is concerned, have been entire- cause a torpedo to move in any direc-King St.; Tel. 639. Dr. Luella S. deter any corporation from underta- ly defrayed from its current appropria- tion almost as if it were possessed of a separate intelligence. That statement is not an exaggera

tion. The torpedo of the future will thinking of taking the veil and giving A map of the cable route is given actually be made to follow the direction her fortune to the church. It is said with the report. To secure more in- of the ship it seeks to fasten to and she has been greatly influenced to this sickroom; massage and manual sist, and purely as a military safe- formation about the Midway Islands destroy. If the torpedo is seen by end by her aunt, now known as Admiral Bradford is now fitting out those aboard this ship and a frantic ef- "Mother Catherine," who became a the ocean-going, twin-screw naval tug fort is made to escape the direct line nun several years ago. The two have Iroquois, with surveying apparatus, at of discharge, it will be useless, for the Honolulu, to make a thorough exami- nose of the torpedo will be immediate- in the South. munication will be established under nation of the reefs surrounding that ly turned by those aboard the torpedo Government ownership before the end small midocean archipelago. At the boat in the new direction taken by the same time the Yosemite is making an hostile ship, and after that, whichever exhaustive investigation of Guam, and way the escaping boat turns, the tor-ADMIRAL BRADFORD'S ACCOUNT. the Bennington, which is equipped pedo will follow is as relentlessly as In his annual report to the Secre- with surveying outfit, will chart the doom. Never was such diabolical inary of the Navy, which was made coast of Luzon, near Dingalan bay, telligence given to an inanimate thing Drexel resembles Helen Gould. She is where it is proposed to land the Ma- as the wireless telegraph principle will give to the torpedo of the future. What bound by the conventionalities of soescape would there be for a ship fol- ciety. She despises the tendency of lowed by a shark which could by mere- American women to put an extravaly poking his nose against the side of gant value on foreign titles. Like Miss aboard to the bottom? Guided by the the world. NEW YORK, Nov. 18.—Governor electric waves that are controlled by Miss Drexel is one of three sisters, shake off as the living fish.

BECOMES A NUN

Beautiful Heiress of New York Will Enter a Convent.

NEW YORK, Nov. 18 .- Miss Josephine Drexel, beautiful, barely out of her teens and heiress to \$10,000,000, is been traveling together for some time

Josephine Drexel is the daughter of Joseph M. Drexel of 103 Madison avenue. She is tall, fair, and in contour of face and figure has been likened to Mrs. Grover Cleveland. She made her

debut in society in 1897. very independent and refuses to be

ular Sunday afternoon meeting of the the survey of the route from Honolu- Roosevelt has made arrangements with the crew of the torpedo boat, the new the other two being married, each to torpedo will be just as impossible to a son of Admiral Dalghren of Wash-

ington.